

Release notes for ENDF/B Development dec-057_La_144
evaluation

ENDF
B-VII.dev

October 13, 2016

• **fizcon** Errors:

1. Uncertainty on discrete radiation intensity (RI) bigger than RI itself, or worse, it is negative!!!

MAT=1901, MF= 8, MT=457 (1): Bad unc (a)

```
ERROR(S) FOUND IN MAT=1901, MF= 8, MT=457
DRI NOT IN RANGE 0.00000E+00 TO 2.45180E-03
DRI NOT IN RANGE 0.00000E+00 TO 2.45180E-03
DRI NOT IN RANGE 0.00000E+00 TO 1.22590E-03
DRI NOT IN RANGE 0.00000E+00 TO 1.17875E-03
... [1 more lines]
```

2. Energies released in decay not adding up!

MAT=1901, MF= 8, MT=457 (2): Bad energy sum

```
ERROR(S) FOUND IN MAT=1901, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 5.59800E+06 SUM= 4.88838E+06
```

3. Energies released in decay not adding up!

MAT=1901, MF= 8, MT=457 (3): Bad energy sum

```
ERROR(S) FOUND IN MAT=1901, MF= 8, MT=457
GAMMA ENERGY (GE) SUMUP FAILURE
WHOLE= 3.15832E+06 SUM= 2.32986E+06 SEQUENCE NUMBER 2
```